

Organic Materials Group

KOPPERS

EPA Region 5 Records Ctr.



315931

June 5, 1980

Ms. Deborah Berg, R. S.
Environmental Scientist
Office of Land Pollution Control
Ohio Environmental Protection Agency
Northeast District Office
2110 E. Aurora Road
Twinsberg, Ohio 44087

SUBJECT: Koppers Company, Inc.
Youngstown, Ohio
Solid Waste Survey

Dear Ms. Berg:

In response to your letter of March 26, 1980 concerning the disposal of solid waste from Koppers Company, Inc., Plant in Youngstown, Ohio the following information is submitted.

1. As you correctly noted, Koppers Company participated in the Eckhardt Study because we are one of the fifty-three largest chemical companies in the U.S. There are three different wastes which we dispose of:
 - a. **Process Waste** - One of the principal raw materials for the Youngstown plant is coal tar. Coal tar is made up of the following constituents:

Naphtha
Tar Acids (phenols, [✓]cresol, etc)
Tar Bases (pyridine, [✓]picoline, etc)
Naphthalene ^{← Hazardous list}
Phenanthrene and Anthracene
Higher Boiling Oils
Coal Tar Pitch

Any or all of the above may be included in the plant waste, depending on operating conditions. This material is mixed with clean sand in a 1:2 ratio.

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b. Process Wastewater - The coal tar processed at the plant contains 1-5% water which is removed in the production process. This is combined with other water which has been in contact with the coal tar. The wastewater typically contains 1000-6000 mg/l phenol as the principal contaminant.

*no
sludge*

*Industrial W.W.
inspection
scheduled
for 6-14-80*

c. Miscellaneous Waste - This waste consists principally of demolition debris and general waste (office waste and rubbish).

2. Volume of Waste generated is as follows:

- a. Process Waste - 2300 tons per year, of which 1,600 tons is sand.
- b. Process Wastewater -- 1,000,000 gallons per year.
- c. Miscellaneous Waste -- 330 tons per year.

3a. Storage Practices are as follows:

- a. A Process Waste -- Is mixed with clean sand in a 1:2 ratio and stored on site. It is accumulated and removed from the plant. Some has been buried on site prior to 1977.
- b. Process Wastewater -- Maintained in a storage tank until disposed of.
- c. Miscellaneous Waste -- Accumulated on site until removed. Some has been disposed of as fill material at the site.

3b. Disposal Sites and Haulers are as follows:

- a. A Process Waste -- Carbon Limestone Landfill, Poland Township, Ohio; Waste hauler.- Industries and Allied Erecting and Dismantling, Youngstown, Ohio + Browning - Ferris.
- b. Process Wastewater -- Republic Steel, Youngstown, Ohio for reprocessing; Koppers Company, Inc., Follansbee, W. Va. for processing through biological treatment unit; Hauler - Koppers Company, Inc.

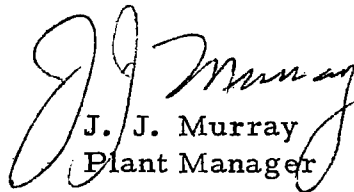
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- c. Miscellaneous Waste -- Liberty Township Dump, Hartford, Ohio and Carbon Limestone Landfill, Poland Township, Ohio; Hauler - Wesson Trucking Hauling, Youngstown, Ohio and Browning-Ferris Industries, Youngstown, Ohio.

I trust that this information satisfies your requirement.

Very truly yours,


J. J. Murray
Plant Manager